

STN Columbus

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 AUG 15 CAOLD to be discontinued on December 31, 2008
NEWS 3 OCT 07 EPFULL enhanced with full implementation of EPC2000
NEWS 4 OCT 07 Multiple databases enhanced for more flexible patent
number searching
NEWS 5 OCT 22 Current-awareness alert (SDI) setup and editing
enhanced
NEWS 6 OCT 22 WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT
Applications
NEWS 7 OCT 24 CHEMLIST enhanced with intermediate list of
pre-registered REACH substances
NEWS 8 NOV 21 CAS patent coverage to include exemplified prophetic
substances identified in English-, French-, German-,
and Japanese-language basic patents from 2004-present
NEWS 9 NOV 26 MARPAT enhanced with FSORT command
NEWS 10 NOV 26 MEDLINE year-end processing temporarily halts
availability of new fully-indexed citations
NEWS 11 NOV 26 CHEMSAFE now available on STN Easy
NEWS 12 NOV 26 Two new SET commands increase convenience of STN
searching
NEWS 13 DEC 01 ChemPort single article sales feature unavailable
NEWS 14 DEC 12 GBFULL now offers single source for full-text
coverage of complete UK patent families
NEWS 15 DEC 17 Fifty-one pharmaceutical ingredients added to PS

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 21:41:52 ON 18 DEC 2008

=> file eg
'EG' IS NOT A VALID FILE NAME
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Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
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FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 21:42:16 ON 18 DEC 2008
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Property values tagged with IC are from the ZIC/VINITI data file

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STRUCTURE FILE UPDATES: 17 DEC 2008 HIGHEST RN 1086212-50-1
DICTIONARY FILE UPDATES: 17 DEC 2008 HIGHEST RN 1086212-50-1

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TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

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<http://www.cas.org/support/stngen/stndoc/properties.html>

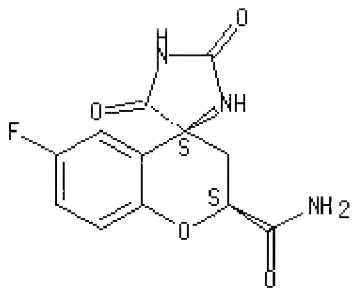
```
=> e fidarestat/cn
E1          1      FID 203251/CN
E2          1      FIDA/CN
E3          1 --> FIDARESTAT/CN
E4          1      FIDAXOMICIN/CN
E5          1      FIDDLEHEAD PROTEIN (ARABIDOPSIS THALIANA STRAIN COLUMBIA GEN
E FDH)/CN
E6          1      FIDDLEHEAD-LIKE PROTEIN (COTTON FIBER GENE FDH)/CN
E7          1      FIDECENE/CN
E8          1      FIDELITY 1000/CN
E9          1      FIDELITY 2000/CN
E10         1      FIDER/CN
E11         1      FIDEXABAN/CN
E12         1      FIDGETIN (HUMAN PLACENTA AND BRAIN CLONE FLH000060.01L GENE
FIGN N-TERMINAL FRAGMENT)/CN
```

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=> s e3
L1          1 FIDARESTAT/CN
```

```
=> d
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L1  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2008 ACS on STN
RN  136087-85-9  REGISTRY
ED  Entered STN:  13 Sep 1991
CN  Spiro[4H-1-benzopyran-4,4'-imidazolidine]-2-carboxamide,
    6-fluoro-2,3-dihydro-2',5'-dioxo-, (2S,4S)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN  Spiro[4H-1-benzopyran-4,4'-imidazolidine]-2-carboxamide,
    6-fluoro-2,3-dihydro-2',5'-dioxo-, (2S-cis)-
OTHER NAMES:
CN  Aldos
CN  Fidarestat
CN  SK 860
CN  SNK 860
FS  STEREOSEARCH
MF  C12 H10 F N3 O4
SR  CA
LC  STN Files:  ADISINSIGHT, ADISNEWS, AGRICOLA, BIOSIS, CA, CAPLUS,
    CASREACT, CHEMCATS, CIN, DDFU, DRUGU, IMSDRUGNEWS, IMSPATENTS,
    IMSRESEARCH, IPA, MEDLINE, MRCK*, PHAR, PROMT, PROUSDDR, RTECS*,
    SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL
    (*File contains numerically searchable property data)
```

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

97 REFERENCES IN FILE CA (1907 TO DATE)
 5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 97 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file merck
 COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
7.61	7.82

FULL ESTIMATED COST

FILE 'MRCK' ENTERED AT 21:42:42 ON 18 DEC 2008

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FILE COVERS FROM LATE 19TH CENTURY TO PRESENT. LAST UPDATE: AUGUST 2008

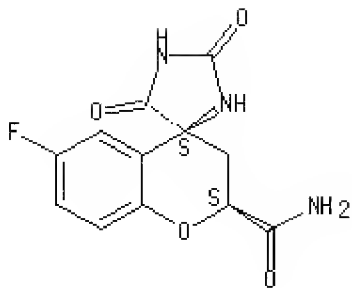
THE MERCK INDEX ONLINE is a service mark of Merck & Co., Inc., Whitehouse Station, NJ, USA and is registered in the United States Patent and Trademark Office.

=> s 11
 L2 1 L1

=> d all

L2 ANSWER 1 OF 1 MRCK COPYRIGHT (C) 2008 Merck and Co., Inc.,
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 MERCK Number (MNO): 1404078
 CAS Registry No. (RN): **136087-85-9**; 105300-43-4 (unspecified stereo)
 MERCK Index Name (MIN): Fidarestat
 CA Index Name (CN): (2S,4S)-6-Fluoro-2,3-dihydro-2',5'-dioxospiro[4H-1-benzopyran-4,4'-imidazolidine]-2-carboxamide
 Synonym(s) (CN): (2S,4S)-6-fluoro-2',5'-dioxospiro[chroman-4,4'-imidazolidine]-2-carboxamide
 Drug Code(s) (CN): SNK-860
 File Segment. (FS): Active Monographs
 Molecular Form. (MF): C12 H10 F N3 O4
 Wgt Composition (COMP): C 51.62%, H 3.61%, F 6.80%, N 15.05%, O 22.92%.
 Molecular Weight (MW): 279.22
 References (RE): Aldose reductase inhibitor for treatment of diabetic complications. Prepn (stereo unspec): M. Kurono, et al., EP 193415; eidem, US 4740517 (1986, 1988 both to Sanwa). Prepn of isomers: T. Yamaguchi et al., Arzneim.-Forsch. 44, 344 (1994). Pharmacological profile: K. Mizuno et al. in Current Concepts of Aldose Reductase and Its Inhibitions, N. Sakamoto et al., Eds. (Elsevier, Amsterdam, 1990) pp 89-96. Configuration and crystal structure of complex with aldose reductase: M. Oka et al., J. Med. Chem. 43, 2479 (2000). Clinical efficacy in diabetic peripheral neuropathy: N. Hotta et al., Diabetes Care 24, 1776 (2001). Clinical suppression of sorbitol accumulation in erythrocytes of diabetic patients: T. Asano et al., J. Diabetes Complications 16, 133 (2002); eidem, ibid. 18, 336 (2004). Review of clinical development: N. Giannoukakis, Curr. Opin. Investig. Drugs 4, 1233-1239 (2003).

Absolute stereochemistry.



Melting Point (MP):

Value	Note
MP	
deg C	

=====+=====

290 - 300 | (dec)

Optical Rotatory Power (ORP):

Value	Temp.	Spectral Line	Note
ORP	ORP.T	ORP.SL	
deg	deg C		

=====+=====

168 | 27 | D | (c = 1.0 in methanol)

Toxicity (TOX):

LD50 in rats, dogs (mg/kg): >2000 orally (Yamaguchi).

Other Properties (OCPP):

Crystals from methanol, mp 290-300° (dec) . $[\alpha]_{D27}$
 +168° (c = 1.0 in methanol) . LD50 in rats, dogs (mg/kg): >
 2000 orally (Yamaguchi) .

Therapeutic Codes (THER):

Treatment of diabetic neuropathy.

Referenced Patent (RPN):

EP193415; US4740517

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.79

10.61

STN INTERNATIONAL LOGOFF AT 21:43:10 ON 18 DEC 2008